

HELICOPTER – FIREFIGHTING AND RESCUE

DESCRIPTION	A Helicopter - Firefighting and Rescue is a helicopter and aircrew used primarily during firefighting operations and other emergency operations for suppression/containment, transporting personnel, and equipment or rescue operations
RESOURCE CATEGORY	Fire/Hazardous Materials
RESOURCE KIND	Equipment
OVERALL FUNCTION	The Helicopter - Firefighting and Rescue is used for precision water dropping, aerial incendiary, hoisting, foam retardant dispersion, personnel insertion and/or extraction, and equipment transport
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. Discuss logistics for this resource, such as security, lodging, transportation, and meals, prior to deployment 2. Discuss number of hours a pilot and crew can operate and the number of operation days prior to deployment 3. Requestor specifies exact function to include personnel transportation, mapping capabilities, infrared, night flying operations, and/or need for other equipment 4. Requestor specifies type of suppression needed such as retardant, foam, or water if used for fire containment 5. Requestor specifies if a hoist capability is necessary based on incident needs 6. Requestor specifies any additional capabilities necessary based on incident complexity and requirements

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
PERSONNEL SEATS, INCLUDING PILOT	15	9	4	Not Specified
MANAGEMENT AND OVERSIGHT PERSONNEL PER HELICOPTER	Same as Type 2	Same as Type 3	1 - Helicopter Pilot	Helicopter pilot is to be type rated in make and model aircraft flown. Documents addressing the pilot requirements can be found in National Wildfire Coordinating Group (NWCG) 310-1: Helicopter Crewmember and Forest Service Handbook (FSH) 5709.16 Flight Operations Handbook
EQUIPMENT ALLOWABLE PAYLOAD	5,000 lbs.	2,500 lbs.	1,200 lbs.	Not Specified
EQUIPMENT VEHICLE CAPACITY	700 gallons	300 gallons	100 gallons	Not Specified
EQUIPMENT MISSION SPECIFIC CAPACITY	Medium to heavy lift, single or multi-engine, gross weight 12,501 lbs. or greater	Medium lift, single or multi-engine, gross weight between 6,001 - 12,500 lbs.	Light helicopter, single engine with gross weight up to 6,000 lbs.	Aircraft and pilot must meet requirements as determined by the Authority Having Jurisdiction (AHJ)



Resource Typing Definition for Fire Management and Suppression Fire/Hazardous Materials

NOTES

1. Nationally typed resources represent the minimum criteria for the associated component and capability
2. The AHJ determines any additional requirements

REFERENCES

1. FEMA, National Incident Management System (NIMS), October 2017
2. Forest Service Handbook (FSH) 5709.16 Aviation Management Handbook, 2020
3. NWCG 310-1 Wildland Fire Qualification System Guide, 2021